

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P691224

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4248 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

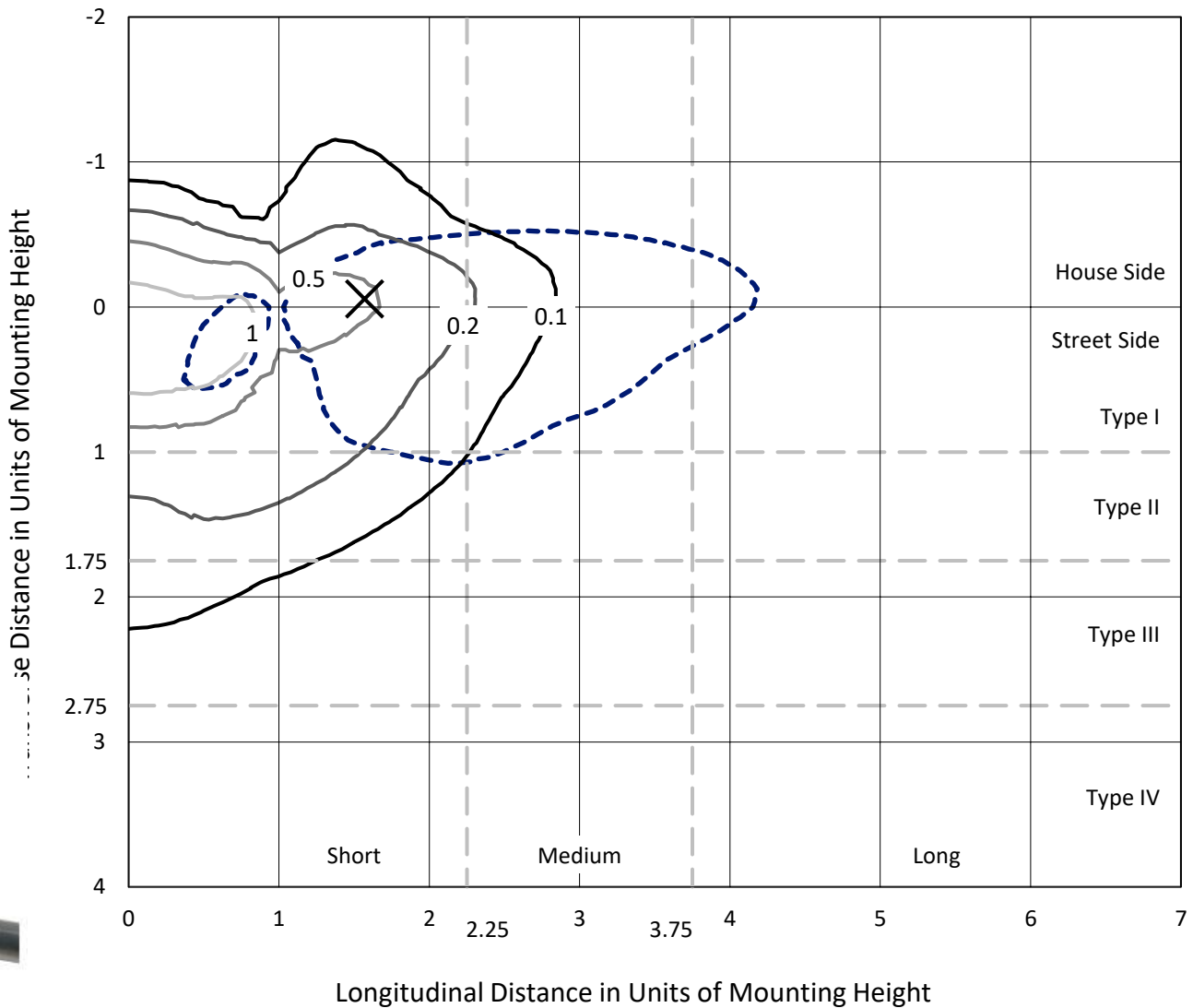


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

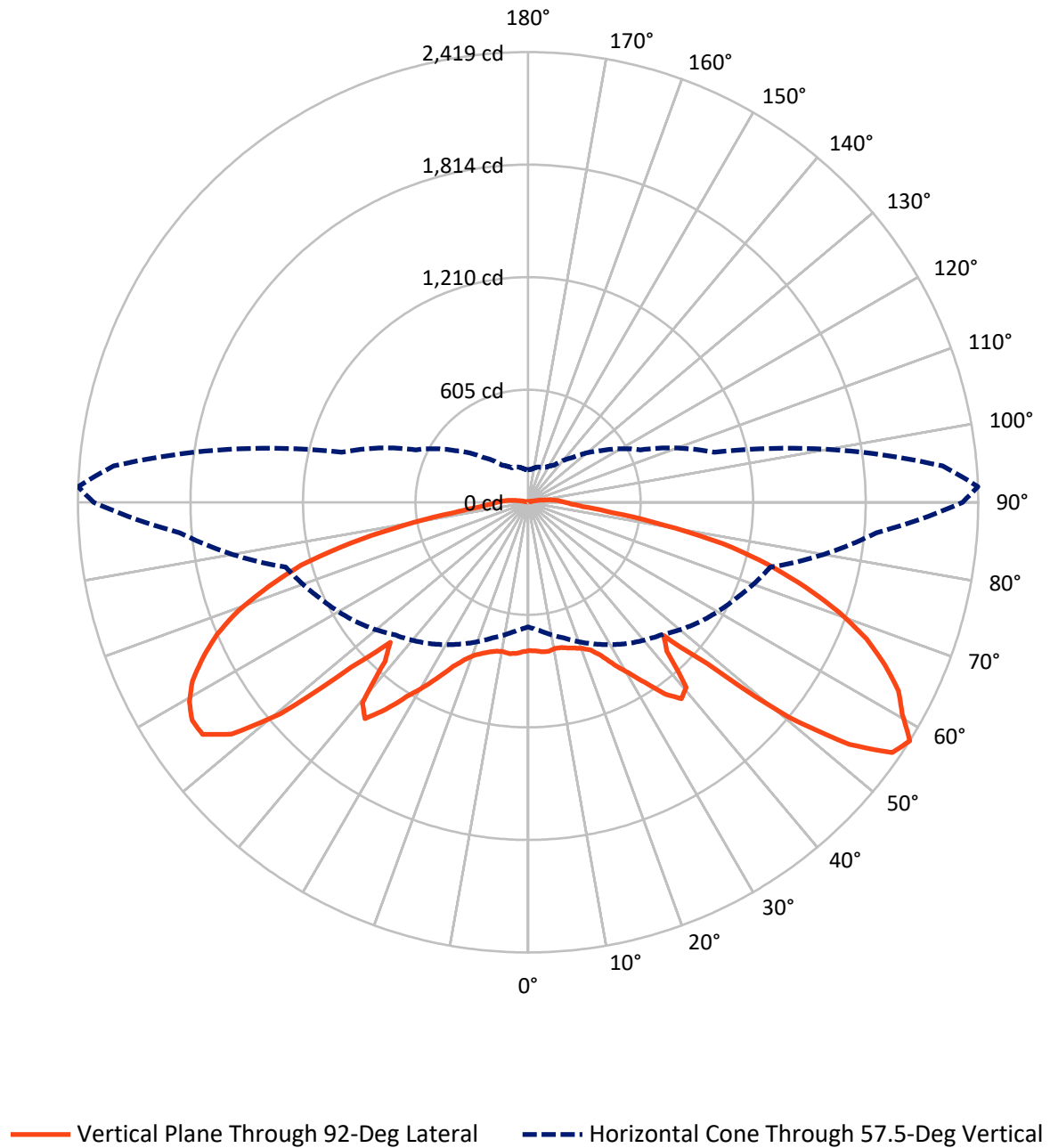


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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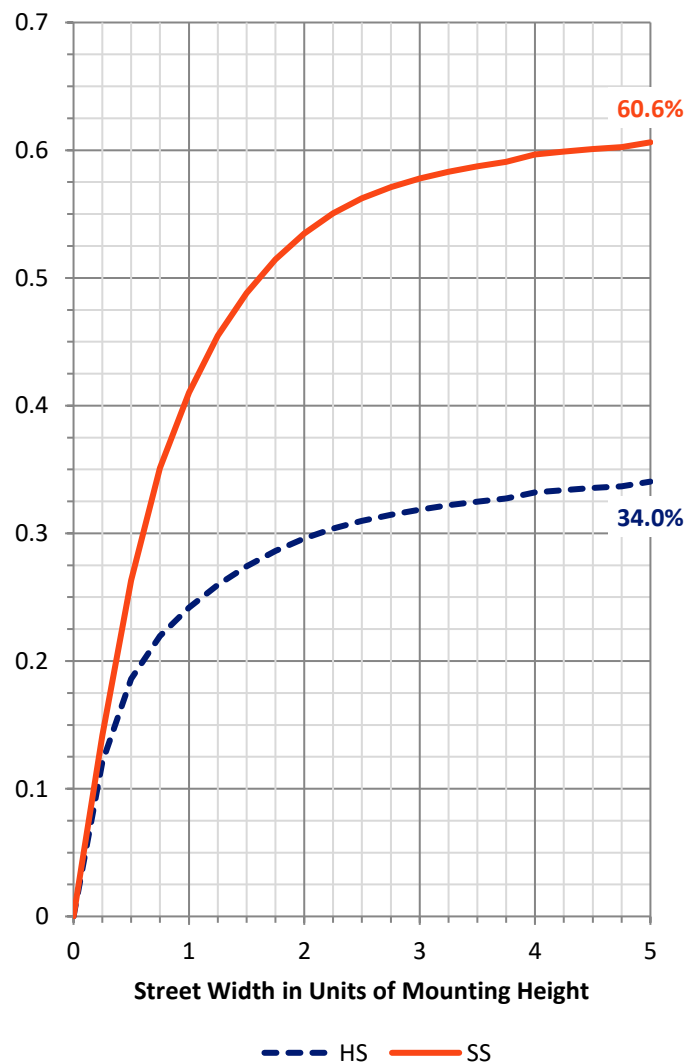
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1515.7	66.2	1581.9
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	2612.0	54.1	2666.1
	% Fixture	61.5	1.3	62.8
Total	Lumens	4127.7	120.3	4248.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.8
10°-20°	225.1	5.3
20°-30°	373.4	8.8
30°-40°	516.7	12.2
40°-50°	482.5	11.4
50°-60°	720.9	17.0
60°-70°	856.4	20.2
70°-80°	628.5	14.8
80°-90°	247.8	5.8
90°-100°	87.3	2.1
100°-110°	20.6	0.5
110°-120°	8.0	0.2
120°-130°	4.1	0.1
130°-140°	0.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4127.7	97.2
0°-180°	4248.0	100.0

Coefficient of Utilization



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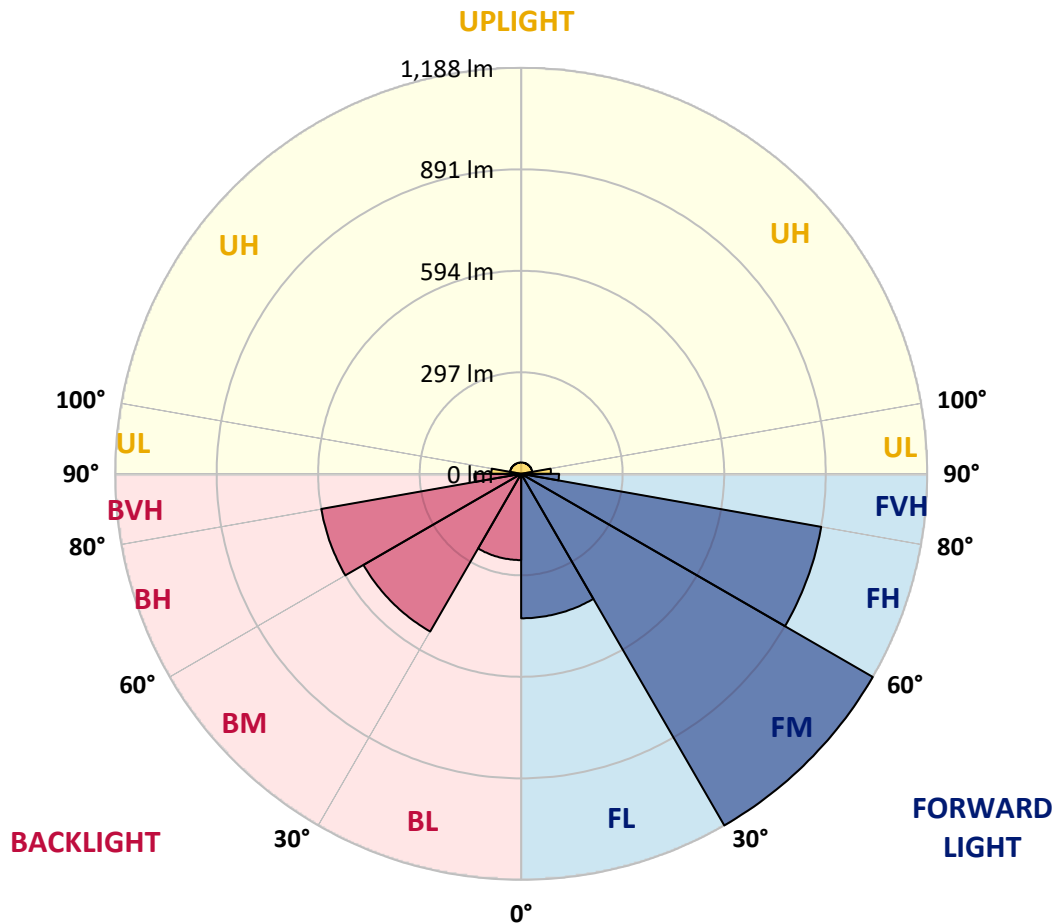
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	422.6	9.9			
FM	(30°-60°)	1187.5	28.0			
FH	(60°-80°)	891.2	21.0			G1/1800
FVH	(80°-90°)	110.8	2.6			G2/225
BL	(0°-30°)	252.3	5.9	B1/500		
BM	(30°-60°)	532.6	12.5	B1/1000		
BH	(60°-80°)	593.7	14.0	B2/1000		G2/1000
BVH	(80°-90°)	137.0	3.2			G2/225
UL	(90°-100°)	87.3	2.1		U3/500	
UH	(100°-180°)	33.0	0.8		U2/50	

BUG Rating: B2-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9
2.5°	831.2	825.5	826.9	825.5	822.6	819.7	816.9	814.0	809.7	805.4	802.6
5°	879.8	874.1	874.1	874.1	868.4	859.8	848.4	841.2	831.2	819.7	811.2
7.5°	912.7	908.4	907.0	905.6	898.4	892.7	879.8	856.9	841.2	826.9	814.0
10°	924.2	924.2	922.8	918.5	911.3	904.2	895.6	874.1	848.4	824.0	806.9
12.5°	945.6	948.5	944.2	937.1	934.2	925.6	912.7	895.6	867.0	829.8	809.7
15°	978.5	977.1	971.4	970.0	967.1	957.1	945.6	924.2	891.3	844.1	821.2
17.5°	992.9	991.4	991.4	991.4	991.4	984.3	982.8	958.5	924.2	867.0	838.3
20°	995.7	995.7	1000.0	1010.0	1011.4	1010.0	1017.2	1001.4	961.4	895.6	856.9
22.5°	1014.3	1015.7	1022.9	1032.9	1040.1	1042.9	1048.6	1055.8	1018.6	941.3	892.7
25°	1004.3	1011.4	1027.2	1042.9	1060.1	1070.1	1101.6	1125.9	1094.4	1008.6	942.8
27.5°	987.1	992.9	1024.3	1052.9	1091.6	1133.1	1178.8	1210.3	1191.7	1091.6	1022.9
30°	1002.9	1002.9	1022.9	1070.1	1120.2	1196.0	1263.2	1297.6	1289.0	1178.8	1115.9
32.5°	970.0	978.5	1021.5	1090.1	1166.0	1264.7	1333.3	1397.7	1406.3	1291.9	1190.3
35°	872.7	891.3	919.9	1010.0	1138.8	1310.4	1416.3	1497.9	1533.6	1420.6	1301.9
37.5°	721.0	728.2	788.3	878.4	1031.5	1201.7	1384.8	1583.7	1658.1	1517.9	1413.5
40°	636.6	640.9	679.5	758.2	887.0	1054.4	1208.9	1413.5	1472.1	1457.8	1359.1
42.5°	608.0	615.2	660.9	736.8	845.5	961.4	1001.4	1090.1	1067.2	1128.8	1160.2
45°	642.3	646.6	679.5	745.4	814.0	864.1	835.5	898.4	929.9	1051.5	1058.7
47.5°	666.7	669.5	705.3	788.3	799.7	801.1	839.8	877.0	964.2	1227.5	1344.8
50°	572.2	586.6	655.2	726.8	732.5	845.5	955.7	1030.0	1137.3	1616.6	1841.2
52.5°	530.8	537.9	612.3	736.8	819.7	951.4	1030.0	1104.4	1207.4	1785.4	2180.3
55°	582.3	593.7	682.4	821.2	904.2	994.3	1093.0	1184.6	1286.1	1872.7	2331.9
57.5°	669.5	691.0	755.4	839.8	927.0	1008.6	1123.0	1228.9	1347.6	1878.4	2334.8
60°	842.6	826.9	791.1	828.3	912.7	1005.7	1137.3	1250.4	1382.0	1877.0	2269.0
62.5°	961.4	938.5	819.7	802.6	881.3	975.7	1105.9	1247.5	1374.8	1814.0	2194.6
65°	938.5	922.8	831.2	768.2	825.5	927.0	1063.0	1230.3	1340.5	1746.8	2060.1
67.5°	809.7	791.1	752.5	728.2	756.8	875.5	1022.9	1196.0	1300.4	1669.5	1912.7
70°	660.9	650.9	638.1	663.8	699.6	811.2	949.9	1121.6	1224.6	1522.2	1755.4
72.5°	560.8	555.1	539.3	566.5	626.6	726.8	842.6	1014.3	1130.2	1323.3	1560.8
75°	472.1	473.5	465.0	482.1	520.7	619.5	711.0	878.4	1007.2	1135.9	1350.5
77.5°	387.7	383.4	392.0	402.0	427.8	499.3	560.8	706.7	859.8	901.3	1035.8
80°	283.3	290.4	306.2	304.7	326.2	357.7	399.1	476.4	603.7	645.2	696.7
82.5°	200.3	208.9	223.2	207.4	210.3	218.9	237.5	273.2	340.5	382.0	424.9
85°	141.6	145.9	148.8	137.3	137.3	143.1	155.9	181.7	223.2	248.9	271.8
87.5°	103.0	104.4	110.2	104.4	105.9	108.7	120.2	137.3	171.7	190.3	208.9
90°	78.7	78.7	81.5	80.1	83.0	88.7	100.1	114.4	140.2	163.1	180.3
92.5°	57.2	57.2	60.1	61.5	62.9	70.1	80.1	91.6	108.7	137.3	154.5
95°	44.3	44.3	47.2	47.2	48.6	54.4	62.9	74.4	87.3	107.3	123.0
97.5°	32.9	32.9	35.8	35.8	37.2	41.5	48.6	55.8	67.2	80.1	87.3
100°	25.8	25.8	27.2	27.2	28.6	32.9	37.2	41.5	44.3	51.5	54.4
102.5°	21.5	21.5	21.5	21.5	21.5	24.3	25.8	25.8	27.2	31.5	32.9
105°	17.2	17.2	17.2	15.7	15.7	17.2	17.2	17.2	18.6	18.6	20.0
107.5°	12.9	12.9	12.9	12.9	12.9	14.3	14.3	14.3	14.3	15.7	15.7
110°	11.4	11.4	11.4	11.4	11.4	11.4	12.9	12.9	12.9	12.9	12.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.0	10.0	10.0	10.0	10.0	10.0	11.4	11.4	11.4	11.4	11.4
115°	8.6	8.6	8.6	8.6	8.6	10.0	11.4	10.0	10.0	10.0	10.0
117.5°	7.2	7.2	7.2	8.6	8.6	8.6	10.0	8.6	8.6	8.6	10.0
120°	5.7	5.7	7.2	7.2	7.2	7.2	7.2	7.2	8.6	8.6	8.6
122.5°	5.7	5.7	5.7	5.7	5.7	7.2	7.2	7.2	7.2	7.2	8.6
125°	4.3	4.3	4.3	5.7	5.7	5.7	5.7	5.7	5.7	7.2	7.2
127.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.7	5.7	5.7
130°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9
2.5°	799.7	799.7	791.1	782.5	774.0	765.4	758.2	753.9	748.2	749.6	749.6
5°	806.9	802.6	784.0	772.5	759.7	748.2	736.8	726.8	723.9	722.5	716.7
7.5°	808.3	801.1	781.1	764.0	739.6	712.4	699.6	688.1	681.0	686.7	683.8
10°	798.3	789.7	766.8	741.1	706.7	683.8	663.8	652.4	646.6	648.1	646.6
12.5°	801.1	791.1	753.9	715.3	686.7	648.1	623.8	613.7	606.6	606.6	602.3
15°	812.6	795.4	742.5	702.4	655.2	622.3	593.7	586.6	583.7	580.8	576.5
17.5°	824.0	799.7	741.1	679.5	626.6	590.8	562.2	549.4	542.2	542.2	540.8
20°	838.3	808.3	732.5	655.2	599.4	552.2	517.9	506.4	500.7	499.3	496.4
22.5°	862.7	831.2	728.2	645.2	563.7	515.0	482.1	460.7	449.2	447.8	447.8
25°	911.3	872.7	736.8	618.0	539.3	476.4	436.3	414.9	402.0	402.0	400.6
27.5°	988.6	927.0	749.6	608.0	493.6	434.9	393.4	360.5	349.1	349.1	350.5
30°	1064.4	1010.0	782.5	586.6	467.8	380.5	330.5	306.2	291.8	286.1	287.6
32.5°	1154.5	1097.3	828.3	572.2	416.3	316.2	270.4	257.5	236.1	230.3	226.0
35°	1264.7	1181.7	879.8	552.2	376.3	269.0	231.8	206.0	196.0	188.8	187.4
37.5°	1339.1	1266.1	925.6	556.5	320.5	243.2	201.7	174.5	164.5	166.0	166.0
40°	1307.6	1223.2	937.1	527.9	273.2	211.7	168.8	153.1	147.4	148.8	150.2
42.5°	1093.0	1048.6	775.4	472.1	226.0	170.2	141.6	141.6	145.9	141.6	141.6
45°	1021.5	909.9	563.7	331.9	170.2	140.2	134.5	138.8	148.8	148.8	148.8
47.5°	1293.3	1167.4	505.0	277.5	190.3	157.4	145.9	138.8	140.2	138.8	138.8
50°	1814.0	1616.6	678.1	346.2	230.3	187.4	166.0	151.6	151.6	148.8	145.9
52.5°	2160.2	1952.8	825.5	433.5	289.0	218.9	190.3	164.5	155.9	150.2	148.8
55°	2374.8	2217.5	952.8	555.1	376.3	260.4	211.7	184.6	171.7	160.2	158.8
57.5°	2419.2	2236.1	1037.2	666.7	485.0	341.9	243.2	204.6	196.0	177.4	174.5
60°	2310.5	2188.8	1070.1	739.6	579.4	450.6	317.6	237.5	218.9	206.0	203.1
62.5°	2234.6	2094.4	1058.7	764.0	638.1	540.8	417.7	291.8	238.9	240.3	253.2
65°	2107.3	2012.9	974.3	728.2	635.2	570.8	469.2	337.6	246.1	243.2	258.9
67.5°	1961.4	1887.0	889.8	649.5	585.1	529.3	436.3	321.9	233.2	218.9	220.3
70°	1774.0	1711.0	804.0	605.2	539.3	469.2	379.1	279.0	230.3	207.4	207.4
72.5°	1557.9	1483.6	732.5	572.2	515.0	450.6	363.4	269.0	247.5	238.9	246.1
75°	1329.0	1234.6	676.7	540.8	497.9	450.6	361.9	269.0	247.5	240.3	240.3
77.5°	1071.5	1015.7	616.6	490.7	463.5	429.2	333.3	250.4	243.2	240.3	240.3
80°	741.1	732.5	502.1	426.3	419.2	406.3	313.3	241.8	241.8	237.5	231.8
82.5°	454.9	433.5	359.1	319.0	343.3	361.9	284.7	227.5	221.7	217.5	214.6
85°	294.7	296.1	251.8	223.2	237.5	276.1	240.3	206.0	197.4	200.3	200.3
87.5°	226.0	233.2	197.4	181.7	178.8	187.4	188.8	184.6	178.8	174.5	176.0
90°	194.6	197.4	158.8	145.9	144.5	147.4	147.4	155.9	155.9	141.6	133.0
92.5°	163.1	167.4	131.6	118.7	118.7	123.0	125.9	125.9	114.4	93.0	83.0
95°	128.8	131.6	104.4	94.4	95.9	95.9	94.4	90.1	70.1	41.5	37.2
97.5°	90.1	91.6	77.3	71.5	73.0	70.1	61.5	55.8	42.9	24.3	22.9
100°	57.2	58.7	48.6	47.2	51.5	45.8	40.1	37.2	25.8	15.7	18.6
102.5°	34.3	34.3	30.0	28.6	31.5	27.2	24.3	20.0	15.7	10.0	12.9
105°	20.0	20.0	18.6	18.6	18.6	17.2	15.7	12.9	8.6	7.2	7.2
107.5°	15.7	15.7	14.3	14.3	12.9	12.9	11.4	8.6	5.7	4.3	4.3
110°	12.9	12.9	11.4	11.4	11.4	10.0	8.6	7.2	4.3	2.9	2.9

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.4	11.4	10.0	10.0	8.6	8.6	7.2	5.7	4.3	2.9	2.9
115°	10.0	10.0	8.6	7.2	7.2	7.2	5.7	4.3	2.9	1.4	2.9
117.5°	10.0	10.0	7.2	5.7	5.7	5.7	4.3	4.3	2.9	1.4	1.4
120°	8.6	8.6	5.7	5.7	4.3	4.3	4.3	2.9	1.4	1.4	1.4
122.5°	7.2	7.2	5.7	4.3	4.3	4.3	2.9	2.9	1.4	1.4	1.4
125°	7.2	7.2	4.3	4.3	4.3	2.9	2.9	2.9	1.4	0.0	0.0
127.5°	5.7	5.7	4.3	4.3	2.9	2.9	2.9	1.4	1.4	0.0	0.0
130°	4.3	4.3	4.3	4.3	2.9	2.9	2.9	1.4	1.4	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)